

**IN THE CLAIMS**

1 Claim 1 (currently amended): A method for use in a wireless communications  
2 system including at least one base station and one or more wireless terminals for  
3 identifying whether a particular wireless terminal is reachable within a base station cell  
4 coverage area, the method being performed in a base station and comprising the steps of:  
5 transmitting a timing control order in a timing control time slot assigned to said  
6 particular wireless terminal;  
7 monitoring received timing control signal time slots to determine whether a  
8 timing control signal has been received from said particular wireless terminal, reception  
9 of said timing control signal indicating that said particular wireless terminal is reachable  
10 in said base station cell coverage area; and  
11 storing a prescribed timing control signal associated with said particular wireless  
12 terminal and a prescribed time that said prescribed timing control signal is to be  
13 transmitted by said particular wireless terminal,  
14 wherein said base station ~~knowing~~ knows a priori said timing control signal and a  
15 prescribed time that said particular wireless terminal will transmit said timing control  
16 signal.

**Claims 2-8 (previously withdrawn).**

1 Claim 9 (Currently amended): A method for use in a wireless communications  
2 system including at least one base station and one or more wireless terminals for  
3 identifying whether a particular wireless terminal is reachable within a base station cell  
4 coverage area, the method being performed in a wireless terminal and comprising the  
5 steps of:  
6 entering a monitoring mode to monitor a received paging time slot assigned to  
7 said particular wireless terminal for a timing control order;  
8 in response to detecting a received timing control order for said particular wireless  
9 terminal, transmitting a timing control signal in a prescribed timing control time slot; and  
10 storing an identity of a timing control order that said particular wireless terminal  
11 is to receive and a predetermined time that said prescribed timing control signal is to be  
12 transmitted by said particular wireless terminal,

13        wherein, said particular wireless terminal ~~knowing~~ knows a priori said timing  
14 control signal and a prescribed time that said timing control signal will be transmitted by  
15 said particular wireless terminal.

1        Claim 10 (previously amended): The method as defined in claim 9 further  
2 including the steps of, if no timing control order is detected, entering a standby mode, and  
3 entering said monitoring mode at a prescribed time.

1        Claim 11 (currently amended): The method as defined in claim 9 further including  
2 the steps of, if a terminate order is detected in said monitoring mode, entering a standby  
3 mode, and ~~entering said monitoring mode at a prescribed time then, disconnecting from~~  
4 said base station.

1        Claim 12 (original): The method as defined in claim 10 wherein said timing  
2 control time slot is a paging time slot.

1        Claim 13 (original): The method as defined in claim 10 wherein said timing  
2 control order includes the identity of said particular wireless terminal being queried.

1        Claim 14 (original): The method as defined in claim 13 wherein said timing  
2 control order further includes a prescribed time at which and a prescribed timing control  
3 signal that said wireless terminal is to transmit.

**Claim 15 (cancel).**

1        Claim 16 (currently amended): Apparatus for use in a wireless communications  
2 system including at least one base station and one or more wireless terminals for  
3 identifying whether a particular wireless terminal is reachable within a base station cell  
4 coverage area, the apparatus being in a base station and comprising:

5        a transmitter for transmitting a timing control order in a timing control time slot  
6 assigned to said particular wireless terminal;

7        a monitor for monitoring received timing control signal time slots to determine  
8 whether a timing control signal has been received from said particular wireless terminal,  
9 reception of said timing control signal indicating that said particular wireless terminal is  
10 reachable in said base station cell coverage area; and

11        storage for storing a prescribed timing control signal associated with said  
12 particular wireless terminal and a prescribed time that said prescribed timing control  
13 signal is to be transmitted by said particular wireless terminal.

14 ~~wherein said particular wireless terminal and said base station including apparatus~~  
15 ~~to know a priori a prescribed timing control signal and~~ knows a priori a prescribed time  
16 that said prescribed timing control signal is to be transmitted by said particular wireless  
17 terminal.

**Claims 17-23 (previously withdrawn).**

1 Claim 24 (currently amended): Apparatus for use in a wireless communications  
2 system including at least one base station and one or more wireless terminals for  
3 identifying whether a particular wireless terminal is reachable within a base station cell  
4 coverage area, the apparatus being in a wireless terminal and comprising:

5 a receiver controlled to enter a monitoring mode to monitor a received paging  
6 time slot assigned to said particular wireless terminal for a timing control order;

7 a transmitter, responsive to detecting a received timing control order for said  
8 particular wireless terminal, to transmit a timing control signal in a prescribed timing  
9 control time slot; and

10 a processor including storage for storing an identity of a timing control order that  
11 said particular wireless terminal is to receive and a predetermined time that said  
12 prescribed timing control signal is to be transmitted by said particular wireless terminal,

13 wherein said particular wireless terminal knows a priori and said base station  
14 ~~including apparatus to know a priori~~ a prescribed timing control signal a prescribed time  
15 that said prescribed timing control signal is to be transmitted by said transmitter of said  
16 particular wireless terminal.

1 Claim 25 (original): The apparatus as defined in claim 24 wherein said particular  
2 wireless terminal, in response to no timing control order being detected, being controlled  
3 to enter a standby mode and, then, to enter said monitoring mode at a prescribed time.

1 Claim 26 (currently amended): The apparatus as defined in claim 24 wherein said  
2 particular wireless terminal, in response to a terminate order being detected in said  
3 monitoring mode, being controlled to enter a standby mode and, then, to ~~enter said~~  
4 monitoring mode at a prescribed time disconnect from said base station.

1 Claim 27 (original): The apparatus as defined in claim 25 wherein said timing  
2 control time slot is a paging time slot.

1 Claim 28 (original): The apparatus as defined in claim 25 wherein said timing  
2 control order includes the identity of said particular wireless terminal being queried.

1 Claim 29 (original): The apparatus as defined in claim 28 wherein said timing  
2 control order further includes a prescribed time at which and a prescribed timing control  
3 signal that said wireless terminal is to transmit.

**Claim 30 (cancel).**

1 Claim 31 (currently amended): A method for use in a wireless communications  
2 system including at least one base station and one or more wireless terminals for  
3 identifying whether a particular wireless terminal is reachable within a base station cell  
4 coverage area, the method comprising the steps of:

5 in a base station

6 transmitting a timing control order in a timing control time slot assigned to said  
7 particular wireless terminal,

8 monitoring received timing control signal time slots to determine whether a  
9 timing control signal has been received from said particular wireless terminal, reception  
10 of said timing control signal indicating that said particular wireless terminal is reachable  
11 in said base station cell coverage area, and

12 storing a prescribed timing control signal associated with said particular wireless  
13 terminal and a prescribed time that said prescribed timing control signal is to be  
14 transmitted by said particular wireless terminal,

15 wherein said base station ~~knowing~~-knows a priori a prescribed timing control  
16 signal and a prescribed time that said prescribed timing control signal is to be transmitted  
17 by a transmitter of said particular wireless terminal; and

18 in a wireless terminal

19 entering a monitoring mode to monitor a received paging time slot assigned to  
20 said particular wireless terminal for a timing control order,

21 in response to detecting a received timing control order for said particular wireless  
22 terminal, transmitting a timing control signal in a prescribed timing control time slot, and

23 storing an identity of a timing control order that said particular wireless terminal  
24 is to receive and a predetermined time that said prescribed timing control signal is to be  
25 transmitted by said particular wireless terminal,

26        wherein said particular wireless terminal ~~knowing~~ knows a priori said prescribed  
27        timing control signal and said prescribed time that said prescribed timing control signal is  
28        to be transmitted by said transmitter of said particular wireless terminal.

1        Claim 32 (currently amended): Apparatus for use in a wireless communications  
2        system including at least one base station and one or more wireless terminals for  
3        identifying whether a particular wireless terminal is reachable within a base station cell  
4        coverage area, the apparatus being in a base station and comprising:

5        means for transmitting a timing control order in a timing control time slot  
6        assigned to said particular wireless terminal; means for monitoring received timing  
7        control signal time slots to determine whether a timing control signal has been received  
8        from said particular wireless terminal, reception of said timing control signal indicating  
9        that said particular wireless terminal is reachable in said base station cell coverage area;  
10       and

11       means storing a prescribed timing control signal associated with said particular  
12       wireless terminal and a prescribed time that said prescribed timing control signal is to be  
13       transmitted by said particular wireless terminal,

14       ~~means for knowing wherein~~ said base station knows a priori a prescribed timing  
15       control signal and a prescribed time that said prescribed timing control signal is to be  
16       transmitted by said particular wireless terminal.

1        Claim 33 (currently amended): Apparatus for use in a wireless communications  
2        system including at least one base station and one or more wireless terminals for  
3        identifying whether a particular wireless terminal is reachable within a base station cell  
4        coverage area, the apparatus being in a wireless terminal and comprising:

5        means for controlling said particular wireless terminal to enter a monitoring mode  
6        to monitor a received paging time slot, assigned to said particular wireless terminal for a  
7        timing control order;

8        means, being responsive to detecting a received timing control order for said  
9        particular wireless terminal, for transmitting a timing control signal in a prescribed timing  
10       control time slot; and

11 means for storing an identity of a timing control order that said particular wireless  
12 terminal is to receive and a predetermined time that said prescribed timing control signal  
13 is to be transmitted by said particular wireless terminal,

14 wherein said particular wireless terminal ~~and said base station knowing~~ knows a  
15 priori a prescribed timing control signal and a prescribed time that said prescribed timing  
16 control signal is to be transmitted by said transmitter of said particular wireless terminal.

1 Claim 34 (currently amended): Apparatus for use in a wireless communications  
2 system including at least one base station and one or more wireless terminals for  
3 identifying whether a particular wireless terminal is reachable within a base station cell  
4 coverage area, the apparatus comprising:

5 in a base station

6 means for transmitting a timing control order in a timing control time slot  
7 assigned to said particular wireless terminal, ~~and~~

8 means for monitoring received timing control signal time slots to determine  
9 whether a timing control signal has been received from said particular wireless terminal,  
10 reception of said timing control signal indicating that said particular wireless terminal is  
11 reachable in said base station cell coverage area, and

12 means storing a prescribed timing control signal associated with said particular  
13 wireless terminal and a prescribed time that said prescribed timing control signal is to be  
14 transmitted by said particular wireless terminal,

15 wherein said base station knows a priori a prescribed timing control signal and a  
16 prescribed time that said prescribed timing control signal is to be transmitted by said  
17 particular wireless terminal; and

18 in a wireless terminal

19 means for controlling said particular wireless terminal to enter a monitoring mode  
20 to monitor a received paging time slot assigned to said particular wireless terminal for a  
21 timing control order, ~~and~~

22 means, being responsive to detecting a received timing control order for said  
23 particular wireless terminal, for transmitting a timing control signal in a prescribed timing  
24 control time slot, and

25       means for storing an identity of a timing control order that said particular wireless  
26 terminal is to receive and a predetermined time that said prescribed timing control signal  
27 is to be transmitted by said particular wireless terminal,  
28       wherein said particular wireless terminal knows a priori a prescribed timing  
29 control signal and a prescribed time that said prescribed timing control signal is to be  
30 transmitted by said transmitter of said particular wireless terminal.